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CURRICULUM VITAE

Craig Elliott Cummings MD

Assistant Professor
Department of Anesthesiology

OFFICE ADDRESS:
840 N 87th Street

Milwaukee, WI 53226

EDUCATION:

08/01/2001 - 06/30/2005 Bachelor of Science in Kinesiology with Academic Honors, University of Wisconsin - Madison, Madison, WI

08/01/2006 - 06/30/2010 Doctor of Medicine with Academic Honors, Medical College of Wisconsin, Milwaukee, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/2010 - 06/30/2014 Resident Physician, Anesthesiology, Medical College of Wisconsin Affiliated Hospitals (MCWAH), 8701 W Watertown Plank Rd, Wauwatosa, WI 53226

07/01/2014 - 12/31/2014 Fellow (Unaccredited), Anesthesiology, Regional Anesthesia and Acute Pain, Medical College of Wisconsin, 8701 W Watertown Plank Rd, Wauwatosa, WI 53226

FACULTY APPOINTMENTS:

07/01/2014 - 06/30/2015 Instructor, Anesthesiology, Medical College of Wisconsin, 8701 W Watertown Plank Rd, Wauwatosa, WI 53226

07/01/2015 - Present Assistant Professor, Anesthesiology, Medical College of Wisconsin, 8701 W Watertown Plank Rd, Wauwatosa, WI 53226

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

2015 - 2020 Associate Director, Medical School, M3 Anesthesia Elective - Anesthesia Outside the Operating Room, Medical College of Wisconsin, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295

07/2016 - 06/2018 Anesthesiology Residency Assistant Program Director, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center, Medical College of Wisconsin, 5000 W National Ave, Milwaukee, WI 53295

2019 - 2025 Director, Anesthesiology, Senior Resident Elective - Regional Anesthesia, Medical College of Wisconsin, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295

2026 - Present Site Director - Menomonee Falls Ambulatory Surgery Center, Anesthesiology, Senior Resident Elective - Ambulatory Anesthesia, Medical College of Wisconsin, W180 N8045 Town Hall Road, Menomonee Falls, WI 53051

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

2016 - 11/30/2025 Director, Anesthesiology, Regional Anesthesia and Acute Pain, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295

07/2018 - 06/2020 Associate Director, Anesthesiology, Regional Anesthesia and Acute Pain, Medical College of Wisconsin, Froedtert Hospital, 9200 W Wisconsin Ave, Milwaukee, WI 53226

07/2020 - 06/2022 Deputy Division Manager, Anesthesiology, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295

07/2020 - 11/30/2025 Qgenda Site Specific Coordinator, Anesthesiology, Scheduling, Clement J. Zablocki

Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295
07/2021 - 11/30/2025 PATS-R Patient Advocate Representative, Anesthesiology, Patient Advocacy, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295
07/2021 - 11/30/2025 VATAS Administrator, Anesthesiology, Time and Attendance, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295
12/01/2025 - Present Medical Director, Anesthesiology, Community, Menomonee Falls Ambulatory Surgery Center, W180 N8045 Town Hall Road, Menomonee Falls, WI 53051

HOSPITAL STAFF PRIVILEGES:
07/01/2014 - 11/30/2025 Physician Anesthesiologist, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center, 5000 W National Ave, Milwaukee, WI 53295
07/01/2014 - Present Physician Anesthesiologist, Anesthesiology, Froedtert Hospital, 9200 W Wisconsin Ave, Milwaukee, WI 53226
12/01/2025 - Present Physician Anesthesiologist, Anesthesiology, Menomonee Falls Ambulatory Surgery Center, W180 N8045 Town Hall Road, Menomonee Falls, WI 53051

SPECIALTY BOARDS AND CERTIFICATION:

Certificates	Issued By	Issue Date	Expiration
SPRINT Peripheral Nerve Stimulation (PNS) System Certification	SPR Therapeutics	08/2020	None
Aspiring Supervisors Program	Veterans Health Administration, Healthcare Leadership Talent Institute	09/2021	None
Developing and Implementing an Outward Mindset	Arbinger Institute	2021	None
Outward Leadership	Arbinger Institute	2021	None
Implicit Bias Training		10/2024	None

AWARDS AND HONORS:
06/2014 Wilson Phillips Award for Outstanding and Empathetic Patient Care, Medical College of Wisconsin
2016 All-Star Award, Froedtert and the Medical College of Wisconsin
2026 Shining Star Award, Froedtert and the Medical College of Wisconsin

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:
2021 - 2025 Association of VA Anesthesiologists (AVAA) (Member)

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:
10/2023 - 10/2025 Member, Education and Annual Meeting Planning, Association of VA Anesthesiologists (AVAA)
10/2024 - 10/2025 Treasurer, Association of VA Anesthesiologists (AVAA)

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Prior
Peer Review
Title: Pecto-intercostal fascial plane block with or without rectus sheath block in cardiac surgery: a prospective, randomized, double- blind placebo- controlled study (Castro AL, et al. Reg Anesth Pain Med 2025;0:1–8.

doi:10.1136/rapm-2025-106954)
Source: Medical College of Wisconsin
Role & Effort: Independent Study Monitor (unfunded)
PI: Anne Castro, MD
Dates: 2023 - 2024
Direct Funds: $0 (unfunded but supported for statistical services by the National Center for Advancing Translational Sciences, National Institutes of Health, through Grant Number UL1TR001436)

Non-Peer Review

Title: [1595143-2] Persistent opioid use following surgery in the VA population
Source: Clement J. Zablocki Veterans Affairs Medical Center
Role & Effort: Collaborator
PI: Thomas J. Ebert, MD, PhD
Dates: 2020 - 2024
Direct Funds: $0 (unfunded)

Title: [1600201-1] Improving Opioid Management After Elective Surgery
Source: Clement J. Zablocki Veterans Affairs Medical Center
Role & Effort: Principal Investigator
PI: Craig Cummings
Dates: 2021 - 2023
Direct Funds: $0 (unfunded)

Title: [1595141-2] Sugammadex effect on autonomic balance determined from heart rate variability in surgical patients
Source: Clement J. Zablocki Veterans Affairs Medical Center
Role & Effort: Collaborator
PI: Thomas J. Ebert, MD, PhD
Dates: 2021 - 2025
Direct Funds: $0 (unfunded)

Title: Quantitative NMBD Monitor Electrode Placement Quality Improvement Project
Source: Clement J. Zablocki Veterans Affairs Medical Center
Role & Effort: Collaborator
PI: Thomas J. Ebert, MD, PhD
Dates: 2024 - 2025
Direct Funds: $0 (unfunded)

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Regional

Craig Cummings, Hubert Cios, Ultrasound Guided Regional Anesthesia Workshop - Lower Extremity Station, Wisconsin Society of Anesthesiologists (WSA) Annual Meeting, Lake Geneva, WI, 09/10/2016

Craig Cummings, Acute Pain Management, **New** presentation to a community group - Greater Milwaukee Area Chapter of the American Association of Critical Care Nurses, Milwaukee, WI,

09/15/2020

Craig Cummings, Pain Management: Peripheral Nerve Blocks, **New** presentation to a professional society - American Society of Anesthesia Technologists and Technicians Regional Conference, Milwaukee, WI, 10/03/2020

Local

Craig Cummings, Shalini Sharma, Advanced Cardiac Life Support (ACLS) Considerations for the Anesthesia Provider, **New** Departmental Lecture (Grand Rounds - M&M), Medical College of Wisconsin, 10/10/2014

Craig Cummings, Anatomy and Regional Anesthesia Board Review, **New** lecture for residents (Wednesday morning conference - CA2/CA3 Lecture Series), Medical College of Wisconsin, 01/21/2015

Craig Cummings, Local Anesthetic Systemic Toxicity (LAST), **New** Departmental Lecture (Grand Rounds - M&M), Medical College of Wisconsin, 10/16/2015

Craig Cummings, Multimodal Pain Management, **New** presentation to another department (Ortho), Medical College of Wisconsin, 12/16/2015

Craig Cummings, Neuraxial Opioids, **New** Departmental Lecture (Grand Rounds - Subspecialty Conference), Medical College of Wisconsin, 10/21/2016

Craig Cummings, Neuraxial Anesthesia, **New** lecture for residents (Wednesday morning conference - CA1 Lecture Series), Medical College of Wisconsin, 11/16/2016

Craig Cummings, REGIONAL ANESTHESIA Objective Structured Clinical Examination (OSCE), **New** lecture for residents (CA3 OSCE Board Review), Medical College of Wisconsin, 04/2017

Craig Cummings, Lower Extremity Nerve Blocks, **New** presentation to another department (Ortho), Medical College of Wisconsin, 05/03/2017

Craig Cummings, Regional Anesthesia and Multimodal Analgesia including Neuraxial and Peripheral Nerve Blockade, **New** presentation - Veterans Affairs Medical Center (VAMC) Nursing Pain Symposium, Clement J. Zablocki Veterans Affairs Medical Center, 09/28/2017

Craig Cummings, Anesthesia Board Review, **New** lecture for residents (Wednesday morning conference - CA2/CA3 Lecture Series), Medical College of Wisconsin, 06/17/2020

Craig Cummings, Neuraxial Complications, **New** lecture for residents (Monday morning conference - CA1 PBLD Series), Medical College of Wisconsin, 12/07/2020

Craig Cummings, Lower Extremity Nerve Blocks, **New** lecture for residents (Monday morning conference - CA1 PBLD Series), Medical College of Wisconsin, 04/26/2021

Craig Cummings, Neuraxial Anesthesia, **New** lecture for residents (Monday morning conference - CA1 PBLD Series), Medical College of Wisconsin, 11/09/2022

Craig Cummings, Board Review Lecture, **New** lecture for residents (Wednesday morning conference - CA2/CA3 Lecture Series), Medical College of Wisconsin, 06/07/2023

Craig Cummings, Spinal and Epidural Anesthesia and Complications, **New** lecture for residents (Monday morning conference - CA1 PBLD Series), Medical College of Wisconsin, 12/06/2023

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

Cummings C, Riess M, Electrocardiogram Guided Central Venous Catheter Placement for Posterior Craniotomy in the Sitting Position., American Society of Anesthesiologists (ASA), Chicago, IL, 10/2011

Cummings C, Schlosser R, Total Spinal Anesthesia: A Devastating Complication of Thoracic Paravertebral Block., American Society of Anesthesiologists (ASA), San Francisco, CA, 10/2013

Cummings C, Rusy LM, Don't Burn Your Bridges: Anesthetic Considerations for a Pediatric Patient with Anterior Mediastinal Mass., American Society of Anesthesiologists (ASA), San Francisco, CA, 10/2013

Rebling F, Cummings C, Lewis I, Reck S, The Perioperative Management of a High-Risk Patient with Super-Morbid Obesity for Serial Surgical Procedures., American Society of Anesthesiologists (ASA), Chicago, IL, 10/2016

Davidovich R, Cummings C, Shankar H, Comparing Chlorhexidine Gluconate as an Alternative for Traditional Ultrasound Gel., American Society of Regional Anesthesia and Pain Medicine (ASRA), Las Vegas, NV, 04/2019

Groth J, Cummings C, Spofford C, Continuous Chloroprocaine Interscalene Nerve Catheter Following Shoulder Arthroplasty in a Patient with an Amide Local Anesthetic Allergy., American Society of Regional Anesthesia and Pain Medicine (ASRA), Las Vegas, NV, 04/2019

Cummings C, Anderson C, Shankar H, The Great Balancing Act: Optimizing Regional Anesthesia for Breast Surgery., American Society of Regional Anesthesia and Pain Medicine (ASRA), Las Vegas, NV, 04/2019

Cummings C, Dugan S, It Takes a Village; The Contribution of Regional Anesthesia and Analgesia to a Clinical Pathway for TKA., American Society of Regional Anesthesia and Pain Medicine (ASRA), San Francisco, CA (Meeting cancelled due to COVID), 04/2020

Regional

Cummings C, Shankar H, A Real Pain in the Neck: Myofascial Pain Syndrome Following a Gunshot Wound to the Neck, Relieved by Ultrasound Guided Trigger Point Injections., Midwest Anesthesia Residents Conference (MARC), Chicago, IL, 04/2011

Cummings C, Riess M, Electrocardiogram Guided Central Venous Catheter Placement for Posterior Craniotomy in the Sitting Position., Midwest Anesthesia Residents Conference (MARC), Chicago, IL, 03/2012

Cummings C, Schlosser R, A Devastating Complication of Thoracic Paravertebral Block: Implications of the Anatomical Communications with the Paravertebral Space., Midwest Anesthesia Residents Conference (MARC), Kansas City, MO, 04/2013

Cummings C, Rock J, Expecting the Unexpected: Complications from Subdural Catheter Placement During Lumbar Epidural for Labor Analgesia., Midwest Anesthesia Residents Conference (MARC), Chicago, IL, 04/2014

Hang D, Cummings C, Obstructive Hypertrophic Cardiomyopathy with Severe Persistent Asthma: Between a Rock and a Hard Place., Midwest Anesthesia Residents Conference (MARC) (Meeting cancelled due to COVID), Milwaukee, WI, 04/2020

Victoria Klinewski, BS, Craig Cummings, MD, Christopher Anderson, MD, Shannon Dugan, BS, Thomas Ebert MD, PhD, Mohamed Abdelrahim, MA., Evaluation of Opioid Sparing Efficacy of Regional Catheters for Major Lower Extremity Amputation in a US Military Veteran Population., Midwest Anesthesia Residents Conference (MARC), Milwaukee, WI, 04/2023

COMMITTEE SERVICE:

Medical College of Wisconsin

2014 - 2025 Interviewer, Resident Candidates, Education, Anesthesiology, Medical College of Wisconsin

2016 - 2017 Peer-Elected Member, Faculty Forward, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center, Medical College of Wisconsin

2016 - 2024 Interviewer, Fellow Candidates, Regional Anesthesia and Acute Pain, Anesthesiology, Medical College of Wisconsin

2016 Peer-Elected Member, Scheduling Steering, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center, Medical College of Wisconsin

2020 Exit Interviewer, CA3 Anesthesiology Residents, Education, Anesthesiology, Medical College of Wisconsin

08/01/2021 - 01/31/2026 Member, Anesthesiology Residency Clinical Competency Committee (CCC), Education, Anesthesiology, Medical College of Wisconsin

2026 Interviewer, Orthopedic Surgery Faculty Candidate, Clinical, Orthopedic Surgery, Medical College of Wisconsin

Hospital

07/2013 - 06/2014 Member, Clinical Quality Committee, Anesthesiology, Froedtert Hospital

2014 - 2015 Member, Perioperative Surgical Home, Colorectal Surgery, Anesthesiology, Froedtert Hospital

07/2021 - 06/2022 Member, VISN12 Surgical Work Group, Surgical Services, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center

2021 - 2024 Member, Facility Surgical Work Group, Surgical Services, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center

2021 - 11/30/2025 Member, Operating Room (OR) Committee, Surgical Services, Anesthesiology,

Clement J. Zablocki Veterans Affairs Medical Center
07/2022 - 11/30/2025 Member, STORM IPC PMT Committee, Pain Management, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center
01/2023 - 11/30/2025 Member, New Medication Management Committee, Pharmacy, Anesthesiology, Clement J. Zablocki Veterans Affairs Medical Center

MCW TEACHING ACTIVITIES:

Medical Student Education

07/2014 - 06/2015 M3 Anesthesia Clerkship Problem Based Learning Discussions (once every 6 weeks)
2014 - 2022 M4 Mock Residency Interviews
2015 - 2016 Anesthesiology Interest Group Workshops
01/2016 - 06/2024 M1/M2 Clinical Apprenticeship Course Clinical Preceptor
11/30/2020 Student Physician Networking Physician Volunteer
12/11/2023 Continuous Professional Development Team Winter Intersession Professionalism Session

Resident and Fellow Education

2014 - Present Mock Oral Board Examiner
2015 - 2017 Anesthesiology Simulation Training Instructor
2016 - 2017 Anesthesiology Intern Orientation
07/2018 - 06/2020 Daily Problem Based Learning Discussion while on Regional Anesthesia and Acute Pain Service

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Resident

2019 - 11/30/2025 Regional Anesthesia Senior Resident Elective - Clement J. Zablocki Veterans Affairs Medical Center

Faculty

2019 - 11/30/2025 Regional Anesthesia CADD Pump Nursing Education - Clement J. Zablocki Veterans Affairs Medical Center

Clinical Programs

11/2014 Lidocaine Infusion Protocol for Perioperative Analgesia - Froedtert Hospital
2015 - 11/30/2025 Neuraxial Anesthesia and Analgesia Policy - Clement J. Zablocki Veterans Affairs Medical Center
02/2016 Sugammadex Guidelines for Clinical Administration - Clement J. Zablocki Veterans Affairs Medical Center
03/2016 EMR Opioid Conversion Calculator - Froedtert Hospital
2017 Ketamine Infusion Protocol for Palliative Care - Clement J. Zablocki Veterans Affairs Medical Center
2018 - 11/30/2025 Peripheral Nerve Block Policy - Clement J. Zablocki Veterans Affairs Medical Center
2018 Epidural Blood Patch Treatment Algorithm - Froedtert Hospital
2019 - 11/30/2025 Regional Anesthesia and Acute Pain Service - Clement J. Zablocki Veterans Affairs Medical Center
2020 - 11/30/2025 Patient Controlled Analgesia (PCA) Policy - Clement J. Zablocki Veterans Affairs Medical Center
2022 Anesthesia Protocol for Outpatient Total Joint Pathway - Clement J. Zablocki Veterans Affairs Medical Center
2023 Ketamine Infusion Protocol for Analgesia - Clement J. Zablocki Veterans Affairs Medical Center
2025 Rib Fracture Treatment and Disposition Protocol - Clement J. Zablocki Veterans Affairs Medical Center

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Shankar H, Cummings C. Ultrasound imaging of embedded shrapnel facilitates diagnosis and management of myofascial pain syndrome. Pain Pract. 2013 Jun;13(5):405-8.
2. Pagel PS, Cummings CE, Schroeder AR, De Vry DJ, Linn KA. Why the new severe aortic insufficiency after mitral and tricuspid valve repair? J Cardiothorac Vasc Anesth. 2014 Dec;28(6):1704-6.
3. Shankar, H; Cummings, C; Fronk, Z; Davidovich, R. Chlorhexidine Gluconate as a Conducting Medium is non-inferior to Ultrasound Gel in ultrasound image quality: A Blinded, Randomized Comparative Study (Manuscript accepted by Wisconsin Medical Journal in 2025)
4. Ebert TJ, Cumming CE, Roberts CJ, Anglin MF, Gandhi S, Anderson CJ, Stekiel TA, Gliniecki R, Dugan SM, Abdelrahim MT, Klinewski VB, Sherman K. Characterizing the Heart Rate Effects From Administration of Sugammadex to Reverse Neuromuscular Blockade: An Observational Study in Patients. Anesth Analg. 2022 Oct 01;135(4):807-814.
5. Kiamanesh CS, Fuller MC, Lu M, Nordin EJ, Ma JX, Dugan SM, Cummings CE, Sherman K, Ebert TJ. New Opioid Persistence in Veterans Following Major and Minor Surgery. Mil Med. 2023 Jul 22;188(7-8):e1813-e1820. PMCID: PMC10362993
6. Ebert TJ, Vogt JA, Kaur R, Iqbal Z, Peters DJ, Cummings CE, Stekiel TA. Train-of-four ratio, counts and post tetanic counts with the Tetragraph electromyograph in comparison to mechanomyography. J Clin Monit Comput. 2025 Feb;39(1):149-156.

Books, Chapters, and Reviews

1. Cummings C. Local Anesthetic Systemic Toxicity (LAST). In: Complications in Anesthesia. 3rd edition. Fleisher L, Rosenbaum S. Philadelphia, PA: Elsevier. 2017
2. Cummings C, Ebert TJ. Familial Dysautonomia (Riley-Day Syndrome). In: Essence of Anesthesia Practice. 4th edition. Fleisher L, Roizen M, Roizen J. Philadelphia, PA: Elsevier. 2017

Editorials, Letters To Editor, Other

1. Craig E Cummings, MD; Victoria B Klinewski, BS; Jonathan T Liles, BS; Christopher J Anderson, MD; Shannon M Dugan, BS; Julia A Vogt, BS; Katherine A Sherman, MS; Thomas J Ebert, MD, PhD. Opioid Sparing Effectiveness of Peripheral Nerve Blockade for Major Lower Extremity Amputation in a Veteran Population (Manuscript submission to Military Medicine in 2024)
2. Ebert TJ, Vogt JA, Kaur R, Iqbal Z, Peters DJ, Cummings CE, Stekiel TA. Establishing an Accurate and Convenient Reference Standard for Neuromuscular Monitoring with Quantitative Electromyography. (Manuscript submitted to Journal of Clinical Monitoring and Computing in 2024)
3. Ebert TJ, Vogt JA, Kaur R, Iqbal Z, Peters DJ, Cummings CE, Stekiel TA. Accuracy of Neuromuscular Monitoring with Quantitative Electromyography: A Prospective Comparison to Mechanomyography. (Manuscript submitted to Anesthesia and Analgesia in 2023)

Abstracts

1. Improving Resident and Faculty Satisfaction with Trainee Feedback and ACGME Milestone Assessment with Interpreted Professional Activities (IPAs) Evaluations. Ebert TJ, Kapeles S, Cummings C, Zundel MT, Kula A, Gross W, Sloan E, Hanko E. AUA/IARS Annual Meeting (2020). San Francisco, CA.
2. The Utility of Interpreted Professional Activities (IPAs) in Trainee Evaluation and ACGME Milestone Assessment. Ebert TJ, Kapeles S, Cummings C, Zundel MT, Kula A, Gross W, Sloan E, Hanko E. SEA Spring Annual Meeting (2020). Philadelphia, PA.
3. Implementation of an Alert for Use of Antithrombotic Medications In The Presence of Neuraxial Anesthesia. Jung B, Steffe J, Eberle D, Cummings C, Singh S, Baumann Kreuziger L. Thrombosis and Hemostasis Summit of North America (2017).
4. Heart Rate Effects of Sugammadex to Reverse Moderate Neuromuscular Blockade in Patients. Mohamed T. Abdelrahim, B.A, M.A, Thomas J. Ebert, M.D, PhD; Craig Cummings, M.D; Chris Roberts, M.D; Missy Anglin, M.D; Sweeta Gandhi, M.D; Thomas Stekiel, M.D; Ross Glinecki, M.D; Shannon Dugan, B.S; Victoria Klinewski, B.S. Wisconsin Society of Anesthesiologists (WSA) Annual Meeting (2021).
5. Three-year Reduction in Post-Surgery Opioid Prescribing for US Military Veterans at a Single VA Medical Center. Victoria Klinewski, BS. Cyrus Kiamanesh, BS, Marvin Lu, BS, Emily Nordin, BS, Shannon Dugan, BS, Mohamed Abdelrahim, MA, Craig Cummings, MD, Thomas J. Ebert, MD, PhD. Wisconsin Society of Anesthesiologists (WSA) Annual Meeting (2021).

6. Evaluation of Opioid Sparing Effectiveness of Peripheral Nerve Blocks for Major Lower Extremity Amputation in a US Military Veteran Population. Victoria Klinewski, BS. Craig Cummings, MD; Thomas J. Ebert, MD, PhD; Chris Anderson, MD; Shannon Dugan, BS; Mohamed Abdelrahim, MA. Wisconsin Society of Anesthesiologists (WSA) Annual Meeting (2021).
7. Thomas J Ebert, MD, PhD, Zafar Iqbal, MD, Sweeta Gandhi, MD, Craig E. Cummings, MD, Christopher J Anderson, MD, Christopher J Roberts, MD, PhD, Katherine Sherman, MS, The Role of Cardiac Muscarinic Receptors in the Heart Rate Slowing from Sugammadex in Humans: a case series., International Anesthesia Research Society (IARS), Denver, CO (4/2023)

Peer Reviewed Educational Products

1. Cummings C. Erector Spinae Block. RAP Online Module #38. Anesthesia Education Toolbox: https://www.anesthesiatoolbox.com. Published 10/30/2019.